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### Search History

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☐ 1. Document ID: US 6606744 B1

L4: Entry 1 of 8

File: USPT

Aug 12, 2003

US-PAT-NO: 6606744

DOCUMENT-IDENTIFIER: US 6606744 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Providing collaborative installation management in a network-based supply chain environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

US-CL-CURRENT: 717/174; 705/26, 717/178

ABSTRACT:

A system, method and article of manufacture are provided for collaborative installation management in a network-based supply chain environment. According to an embodiment of the invention, telephone calls, data and other multimedia information are routed through a network system which includes transfer of information across the internet utilizing telephony routing information and internet protocol address information. The system includes integrated Internet Protocol (IP) telephony services allowing a user of a web application to communicate in an audio fashion in-band without having to pick up another telephone. Users can click a button and go to a call center through the network using IP telephony. The system invokes an IP telephony session simultaneously with the data session, and uses an active directory lookup whenever a user uses the system. Users include service providers and manufacturers utilizing the network-based supply chain environment.

18 Claims, 130 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 130

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KIMC</a>	<a href="#">Draw. D.</a>
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☒ 2. Document ID: US 6385767 B1

L4: Entry 2 of 8

File: USPT

May 7, 2002

US-PAT-NO: 6385767

DOCUMENT-IDENTIFIER: US 6385767 B1

TITLE: Method and system for creating and manipulating extensions to version control systems

DATE-ISSUED: May 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ziebell; Jonathan Virgil	Trabuco Canyon	CA		

US-CL-CURRENT: 717/170; 707/203, 707/204

## ABSTRACT:

Disclosed is a computer system capable of executing a version control program with a method within the version control program for generating an archive object for a file having an extension if so associating the MetaClass with the extension XXX. Further, including receiving a request for creating an archive object for the extension XXX from a version control application; from a folder revision object in the version control program, determining if the extension XXX is registered with a folder archive object corresponding to the folder revision object, and if so determining if the MetaClass is associated with the extension XXX, and if so; calling an operation to create an object in the MetaClass determined in the preceding step for construction of an archive object for the extension XXX; and, returning the archive object constructed in the previous step as an archive object for the extension XXX.

12 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMCC	Draw D
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☒ 3. Document ID: US 6256773 B1

L4: Entry 3 of 8

File: USPT

Jul 3, 2001

US-PAT-NO: 6256773

DOCUMENT-IDENTIFIER: US 6256773 B1

TITLE: System, method and article of manufacture for configuration management in a development architecture framework

DATE-ISSUED: July 3, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bowman-Amuah; Michel K.	Colorado Springs	CO		

US-CL-CURRENT: 717/121; 707/203, 717/168

## ABSTRACT:

A system, method, and article of manufacture are provided for affording consistency in a development architecture framework as components in the framework change. A reference program code is provided and a plurality of sets of updated program code are received which represent different versions of the program code. The sets of the updated program code are compared with the reference program code in order to identify information relating to changes and the information is classified in relation to the changes. Tools are also provided for managing the different versions of the program code.

20 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 4. Document ID: US 6216140 B1

L4: Entry 4 of 8

File: USPT

Apr 10, 2001

US-PAT-NO: 6216140

DOCUMENT-IDENTIFIER: US 6216140 B1

TITLE: Methodology for the efficient management of hierarchically organized information

DATE-ISSUED: April 10, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kramer; Scott	Fort Collins	CO		

US-CL-CURRENT: 715/511; 707/10, 707/203, 717/169, 717/170

## ABSTRACT:

A methodology ensures the efficient management of large amounts of hierarchically organized information. The methodology encompasses the efficient copying and sharing of large amounts of hierarchically organized information through an unsharing operation. The efficient comparison of two or more hierarchies of items of files and directories is provided as well by adding the root directories of hierarchies to be compared to a difference list, merging and then eliminating appropriate items in the difference list, and finally expansively recursing upon items left in the difference list. The efficiency of virtually copied, hierarchically organized information is maintained by resharing appropriate items of the hierarchy when appropriate. Finally, the methodology allows a target version of a hierarchy to be automatically updated by default action with changes made in a source version of the hierarchy as a function of identifying the common ancestor revision of a particular item change.

18 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6158049 A

L4: Entry 5 of 8

File: USPT

Dec 5, 2000

US-PAT-NO: 6158049

DOCUMENT-IDENTIFIER: US 6158049 A

TITLE: User transparent mechanism for profile feedback optimization

DATE-ISSUED: December 5, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goodwin; David W.	Waltham	MA		
Cohn; Robert S.	Salem	NH		
Lowney; Paul G.	Concord	MA		
Rubin; Norman	Cambridge	MA		

US-CL-CURRENT: 717/158; 717/170

## ABSTRACT:

A profile feedback optimization system is provided. The system accepts as input an original application and produces an optimized version of the application. The system first instruments the original application through an instrumentation process such that when it executes, it generates profile data. During instrumentation, the system configures images in the application to trap any function calls to critical functions. This allows the instrumented version of the application to execute transparently and appear as the original version. The instrumentation process converts each original image of the application to a version that references other instrumented images. The instrumentation process also configures the operating system to execute the instrumented version instead of the original version when the user selects the application for execution. Once instrumented, the instrumented application is executed. During execution, profile data produced from the instrumented images is saved in a database. Once profile data has been generated, an optimization process is used to optimize the original version of the application based upon the profile data. The optimized version is also configured to execute just as the original application, but references optimized images instead of original images.

23 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 5862386 A

L4: Entry 6 of 8

File: USPT

Jan 19, 1999

US-PAT-NO: 5862386

DOCUMENT-IDENTIFIER: US 5862386 A

TITLE: Apparatus and method for providing a facility for managing versions and configurations of persistent and transient objects

DATE-ISSUED: January 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Joseph; Vappala John	Plano	TX		
Shadowens; Mark Benjamin	Irving	TX		
Thompson; Craig Warren	Plano	TX		
Chen; John Chung-Lin	Plano	TX		

US-CL-CURRENT: 717/170

## ABSTRACT:

A system and method for managing change in software systems and applications manages change for both transient and persistent objects in a domain independent, non-intrusive, object-oriented fashion. The system and method are designed and implemented as a combination of two abstract machines consisting of a set of interface functions visible to the application, and an internal or private state which is hidden from such application. Applications use the interface functions to obtain the services of this change management system and method. Since the internal state of such system and method is outside the application, change management is provided as a service without the need for altering or adding onto application data structures and interfaces.

20 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 5787280 A

L4: Entry 7 of 8

File: USPT

Jul 28, 1998

US-PAT-NO: 5787280

DOCUMENT-IDENTIFIER: US 5787280 A

TITLE: Apparatus and method for providing a facility for managing versions and configurations of persistent and transient objects

DATE-ISSUED: July 28, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Joseph; Vappala John	Plano	TX
Shadowens; Mark Benjamin	Irving	TX
Thompson; Craig Warren	Plano	TX
Chen; John Chung-Lin	Plano	TX

US-CL-CURRENT: 707/203; 717/170

## ABSTRACT:

A system (20) and method for managing change in software systems and applications manages change for both transient and persistent objects in a domain independent, non-intrusive, object-oriented fashion. The system (20) and method are designed and implemented as a combination of two abstract machines (22,24) consisting of a set of interface functions (25,26) visible to the application, and an internal or private state (27,28) which is hidden from such application. Applications use the interface functions (25,26) to obtain the services of this change management system (20) and method. Since the internal state of such system (20) and method is outside the application, change management is provided as a service without the need for altering or adding onto application data structures and interfaces.

11 Claims, 7 Drawing figures  
 Exemplary Claim Number: 1  
 Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 8. Document ID: US 5706510 A

L4: Entry 8 of 8

File: USPT

Jan 6, 1998

US-PAT-NO: 5706510

DOCUMENT-IDENTIFIER: US 5706510 A

TITLE: Symbolic history management system

DATE-ISSUED: January 6, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burgoon; David A.	Fort Collins	CO		

US-CL-CURRENT: 707/203; 717/170

## ABSTRACT:

A symbolic history management system (ZHMS) allows a user to create annotated symbolic links (zymlinks) to files in a shared file system. A single link is created to each file of the shared file system which a user wishes to access. A zymlink to the shared file system may be updated via a zupdate command. Rather than selectively updateing individual files, a user simply zupdate's whole trees of files. When it comes time to edit files, a user makes use of standard history managed file system commands to obtain a writable copy of a file. Use of one of these commands destroys a zymlink corresponding to the file, and substitutes a

privately owned copy of the file on a user's disk. When the edited file is checked back into the history managed file system, a read-only copy of the file remains on a user's disk. When a user updates his or her file system, the read-only file copy may be replaced with a new zymlink. A user will normally view current versions of shared files. Rather than viewing current versions of shared files, a user may wish to maintain a static view of file versions by issuing a zreset command. The system provides a user with more free disk space than in conventional history managed systems.

20 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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